

# Covid-19 and Spanish Flu Pandemics: Insights into the Viral Vehicles of Life and the Concept of Dispersed Organisms

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## Abstract

To understand diseases at a deeper level, we propose the concept of dispersed organisms as those having their constituent units spatially, and may be even temporally, separated in existence but still conforming to the definition of being an organic wholeness, having functionally dependent and non-spatio-temporally interconnected components. A living organism is characterized by elementary units (cells), each having the same DNA. This definition though specifically valid for multicellular complex organisms (eukaryotes), can very well be extended to include localized bacterial colonies as is evidenced by the phenomenon of quorum sensing, even though the DNA may only be partially identical. Starting with quorum sensing in bacteria as a preliminary indication, quantum entanglement among component units deriving from the same initial cause as a possible explanation, we draw upon a specific deeper vision of the causes of the Spanish flu pandemic of 1918-20 to establish the concept of dispersed organisms. We discuss the COVID-19 pandemic as a similar dispersed organism with its specific targets, severity, endemicity, span and consequences.

**Keywords:** COVID-19, Spanish flu, Pandemic, Quorum sensing, Multicellular organism

## Introduction

An organism is a highly ordered, complex, self-organized structure of various kinds of components mutually related in an interdependent manner to ensure its survival, growth and reproduction. For a unicellular organism, the components are the organelles, while for multicellular organism they are cells. A bacterium lives and multiplies as a single individual but when there is a bacterial colony, they show a collective behavior called quorum sensing, which can be seen as a precursor to multi-cellularity<sup>[1]</sup>. In this case cell-to-cell communication has been established to be happening via bio-molecular routes by release of autoinducers *such as* pheromones and other signaling molecules<sup>[2-4]</sup>. It is as if the colony were a single organism in spite of the fact that it is a colony of separate individuals. Such behavioral traits must be present in the genetic material of each of the bacteria forming the colony for otherwise such

a collective behavior cannot come about. Identity of genetic material is the defining characteristic of the wholeness of the integral structure that is an organism. DNA level differences among individuals are more prominent in higher evolved eukaryotes. The unicellular organisms and the prokaryotes have their respective DNA almost the same for all members of each species due to extremely low mutation rates in ideal environments. On the basis of such near identity of DNA, we propose the concept of dispersed organism whose elementary units may have any spatial separation among themselves, but still they would all form one single organically connected wholeness, a dispersed individuality that has evolved to live in and for the many individuals forming the group. In case of RNA viruses such as the SARS COV-2, obviously RNA similarity will be the ground for understanding the COVID-19 as an organism<sup>[5]</sup>.

Thus commonality of DNA does point to some kind of interconnectedness among the organisms and as such, their collective behavior as a first approximation may be assumed to be proportional to such commonality. The molecular basis of such common behavior is the

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sameness of genomic arrangement. It is because of this arrangement that the communicating individuals are able to send and receive signals. Further all bacteria of a particular species have identical virulence factors and cause the same disease in the same kind of hosts. This is another aspect of their commonality which follows from their DNA. Similarly, no matter where on earth the HIV infects a human, it produces the same kind of symptoms and that is the commonality of all the AIDS viruses, encoded in their DNA. To explain organized and concerted behavior of such unicellular organisms, if we assume some kind of non-local correlation among them irrespective of their spatial separation *i.e.* whether they are in direct contact or not, then it becomes easier to visualize them all as forming but dispersed units of a single global organism which is the AIDS organism. Cancer as an organism has been discussed at length by us in our previous works<sup>[6-10]</sup>. Similarly, all other virus and bacteria species can be visualized as forming globally dispersed single organisms with the corresponding individual viruses and bacteria as their basic cellular units. This is the new concept of dispersed organisms which we wish to establish in this article.

### **Dispersed Organisms**

The cells in a multicellular organism are all manifestly interconnected and interdependent. The leap that we propose to take is that the physical components which may be individuals themselves, need not be spatially networked, but yet may be having a functional correlation to qualify to be called some sort of an organism, exactly like in the society of ants, bees or even humans. Strassmann and Queller analyzed such group-centric life and called them divided organisms<sup>[11]</sup>. In our view, the society as a whole can be seen as an organism that has its existence dispersed among its individual members, which are now more akin to cells of a multicellular organism, but without all of them being necessarily in physical contact or communication and without having exactly the same DNA.

In case of a dispersed organism, the non-local correlations envisioned may be the effects of quantum coherence in biological systems<sup>[12]</sup>. Quantum entangled bacteria have been experimentally demonstrated in their interaction with light<sup>[13]</sup>. Even if the component systems are temporally separated, quantum entanglement may

still exist<sup>[14]</sup>. It can be among fully or partially identical DNA leading to correlations among distinct component units (individuals) forming the dispersed organism.

### **Insight into diseases**

The concept of dispersed organisms allows us to take a fresh look at the origin and evolution and also of treatment of diseases. There may be spatial separation of one bacterial colony from another in the same medium, but still all the elementary units being of the same kind having almost the same set of genes can be taken to form one organizational whole, like a multicellular organism. In this sense all bacteria of the same kind, no matter what their mutual separation is, form one organizational whole which is nothing but a kind of dispersed organism. The same can be extended to other elementary units such as viruses, in which case, all viruses of the same kind can be taken to form one dispersed viral organism. Hence, each disease can be said to result from the invasion of such dispersed organisms.

### **Spanish Flu pandemic in 1919-20**

The spanish flu pandemic spread by the H1N1 virus that swept across the globe from 1918 to 1920 reached Japan in the late 1919 and created havoc till the end of January 1920<sup>[15]</sup>. So far there is no established scientific reason as to why the pandemic subsided so fast after the second wave. Here are excerpts from an account given by the Mother of her own experience of getting infected by the virus and her fight for recovery<sup>[16]</sup>:

“One day I was called to the other end of the town by a young woman whom I knew... I had to cross the whole city in a tramcar. And I was in the tram and saw all those people with masks on their noses, and there was in the atmosphere that of constant fear, and there came a suggestion to me – I began to ask myself – Actually what is this illness? ...I returned home with terrible fever. I had caught it... At the second day, as I was lying all alone, I saw clearly a being with a part of the head cut off, in a military uniform – or what remained of a military uniform – approaching me and suddenly flinging himself upon my chest, with that half head, to suck my force. I took a good look, then realized that I was about to die. He was drawing my life out... ..I was completely nailed to the bed, without any movement, in deep trance. I could not stir and he was pulling out my life. I thought,

“This is the end.” Then I called on my occult power, I gave a big fight and I succeeded in pushing him off so that he could not stay any longer. And I woke up...I had understood that the illness originated from the beings those who had been thrown violently out of their bodies. I had seen this during the First World War, towards the end, when people were staying in trenches and killed in bombardments. They were in perfect health, altogether healthy, and in the blink of an eye they were thrown out of their bodies, not conscious that they were dead. They didn’t know that they had no body any more and tried to find in others the life force they could not find in themselves... I know how much knowledge and force were necessary for me to resist. It was irresistible for ordinary persons.”

Then, as asked by the Mother, she was left alone for two days and concentrated on the evil that was sucking the life out of such a large number of humans. At the end of two or three days there was not a single case in Kyoto. And in a few days Spanish flu had disappeared from the world.

Illness, like every other object and subject, was a field of study for the Mother. All the ailments that occurred in her own body were studied thoroughly. She once said that, “there is nothing fundamentally incurable. It all depends... To be able to cure an illness you have to know its cause, not just its microbe.” and “What people assume to be microbe is quite simply the materialization of a vibration.”

The importance of reproducing the whole episode as recounted by The Mother herself can be gauged from the fact that our current scientific perspective on the origin of diseases is so different from it<sup>[17]</sup>.

We note that the particular discarnate being that produced Spanish flu in the Mother cannot be accepted scientifically as the cause as per our present understanding. We must say that she had those infectious viruses in her body which caused the flu. Thus the vision which she had can be matched with the scientific view only if we equate the discarnate being with the viruses, meaning thereby that it entered the body of the Mother in the form of those viruses. The Mother says that such beings are desperate to enter a living body to have their life from them. Does it not fit the definition of parasitic life? Don’t the viruses require the host’s life to get their

life functional?

This is positive proof of the fact of the existence of dispersed organisms. A desperate-for-life discarnate being infects as an organism dispersed among the viruses that cause the infectious diseases. The differences in symptoms and morbidity etc. in different individuals due to a single virus can then be explained as being due to differences in immunity as well as in the dispersed organisms (discarnate beings) that are infecting through those viruses.

How many such war casualties were on the rampage through the H1N1 viral vehicle and with what lethality each acted to kill humans till the Mother’s interference? These will surely remain unanswered. Further, can we associate the COVID-19 with world war-II casualties as dispersed organisms taking their toll through the viral vehicles such as MERS, SARS and SARS COV-2? What about the casualties of other wars and terrorist massacres?

#### **Targeted victims of COVID-19**

We have proposed earlier that the COVID-19 disease has behaved as a conscious organism having definite focus and intent<sup>[5]</sup>. Many of the doctors, nurses, paramedical staff engaged in treatment of COVID-19 patients, researchers engaged in finding a cure or vaccine for it, police personnel, politicians and statesmen engaged in maintaining social distancing and enforcing lockdowns and shutdowns intended to curb the rapidity of the spread of the pandemic have been infected and many of them have succumbed to it too<sup>[18-19]</sup>. Surprisingly, the lockdowns and shutdowns were utilized gainfully by the SARS COV-2 virus to continue its rampage because its only natural enemy seems to be UV radiation which depends on daylight duration<sup>[20]</sup>. India imposed lockdowns and shutdowns as early as March 2020, when the total affected were less than 2000 and the rate of new cases was below 50 per day. But eventually the national financial threshold was reached and they had to relax it when the virus really had affected more than three lakhs and the rate of new infection reached more than 10000 per day in late June, when coincidentally humidity was also reaching its pre-monsoon peak! Humidity will certainly help microscopic droplet transmission by increasing the droplets’ life-in-transit. Now there is simply no stopping!

The strategy of countering it by development of herd immunity by exposure to and infection by the virus of large sections of the population failed miserably in UK and the prime minister himself was attacked by COVID-19 and had to be on ventilator in ICU for a week to recover.

Does a disease specifically target those who work against it by treating patients or trying to find a cure or a vaccine for it, though it may not be successful against all of them all the time in infecting or killing? It is not difficult to come across cases of cardiac surgeons succumbing to heart attack, TB specialists falling prey to TB, Cancer therapists dying of cancer and so on. Why has the USA suffered the worst in all pandemics after world war-II? Why NATO countries suffered the most in COVID-19? Why Russia? Why India? What will happen to China in the future pandemics?

### Conclusion

Viruses are the ultimate frontier for biology to grapple with in future as they hold the key to understanding many fundamental aspects of life. They are the oldest known precursors of the living cell, though classified as nonliving. In fact the living cell can be seen as the habitat or niche constructed by the viruses for themselves for purposes of their reproduction. Viral eukaryogenesis must have been preceded by a viral prokaryogenesis. This means that the totality of viruses would exhaust all diversity of life as their reproduction niche. Indeed, all life on earth has been surmised to be an ontological individual. This ontological individual must then be the dispersed organism whose vehicles are the myriad viruses, the leaders among them being the oncoviruses, which have no competitors in the realm of survival and reproduction. The oncoviruses in their turn are agents of cosmic disorder that is pitted against cosmic order since the origin of the cosmos. Such is the origin of what we call "life" and we have so far grappled with to understand.

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